

**INVASIVE SPECIES CONTROL PROJECTS (R1 SMALL GRANTS)  
2015 FINAL REPORT**

Project Title: Oregon White Oak Restoration – North Butte

Station: Baskett Slough NWR

Contact Person: Graham Evans-Peters, Refuge Manager

Project Description: This project completely removed encroaching Douglas fir from 20 acres of oak woodland habitat on the north butte of Baskett Slough, which had already overtopped the oaks and was beginning to kill them. Beginning in early July a highly effective mechanized feller-buncher harvester via private contract (prior fir removal has been dominantly by hand felling) was brought in to log all accessible fir. That was followed by hand-felling and skidding harder to reach trees. Logs were picked up throughout the summer by watershed councils for various projects throughout the Willamette basin (~180 logs). Moreover, an additional 500 logs are staged outside the unit to be used for future in-stream projects by watershed councils. All slash from harvest was piled and covered. Further thinning of small oaks was done in the 38 acre 2014 unit to create a butterfly corridor that connects a private lands prairie to other habitat on the Refuge occupied by Fender's blue butterfly. Post logging treatments included spot herbicide application, pile burning, seeding of all disturbed ground with native grasses, targeted stump grinding to facilitate mowing and future management, and winterizing roads.

Invasive Species Targeted: Douglas fir (*Pseudotsuga menziesii*)

Project Completion Date or Estimated Completion Date: 11/20/15

Project Results: Our goal was to completely remove all encroaching fir from an additional 18 acres. Fir had become the dominant tree in these former oak woodlands and had already completely overtopped the oak. We exceeded our goal by treating 20 acres and girdling a couple dozen large fir trees outside of our treatment area that could be future seed sources. Much of the post-logging restoration treatment has been conducted and we are well positioned going into the 2016 field season. We will follow up with spot weed treatment as the disturbed ground recovers, native shrubs fill the gaps, and the newly seeded native grasses establish.

Number of Acres Treated: 20

Number of Acres Inventoried and/or Mapped: n/a

Number of Acres Restored: 20

Total Grant Amount: \$30,500

Breakdown of Expenditures:

Category	Total \$ Spent	% of Total Grant
Equipment/Supplies	14500	48%

Chemical	1200	4%
Biocontrol Agents	n/a	
Travel (mobilization)	2000	7%
Biotech/Contractor Salary	8300	27%
Restoration Materials	4500	15%
Other	n/a	
<b>TOTAL</b>	30,500	